

L 05042-67	EWP(e)/EWT(m)/EWP(t)/ETI	TJP(c)	JD/GD
ACC NR: AT6027926	SOURCE CODE: UR/0000/66/000/000/0117/0119		
AUTHOR: <u>Yegorov, O. K.; Konstantinov, L. V.; Postnikov, V. V.</u>			
ORG: None	<i>42</i> <i>B7/</i>		
TITLE: Using the <u>boron</u> filter method for measuring the <u>spectrum of neutrons</u> in a col-limated beam <i>v1</i> <i>19</i>			
SOURCE: Voprosy fiziki zashchity reaktorov (Problems in physics of reactor shielding); sbornik statey, no. 2. Moscow, Atomizdat, 1966, 117-119			
TOPIC TAGS: neutron spectrum, collimation, research reactor			
ABSTRACT: Filters of various thickness are placed in the path of a collimated beam of neutrons and the particles passing through these filters are recorded to give a system of equations for determining integral neutron fluxes:			
$P_1 = \Phi_1 \eta_1 + \dots + \Phi_n \eta_n$ \dots $P_j = \Phi_1 \eta_1 e^{-\Sigma_{i=1}^j x_i} + \dots + \Phi_n \eta_n e^{-\Sigma_{i=1}^j x_i}$ \dots $P_{n-1} = \Phi_1 \eta_1 e^{-\Sigma_{i=1}^{n-1} x_i} + \dots + \Phi_n \eta_n e^{-\Sigma_{i=1}^{n-1} x_i}$			

Card 1/2

L 05042-67

ACC NR: AT6027926

where Φ_j is the integral flux of neutrons with energies lying in the interval from E_j to $E_j + \Delta E_j$; P_j is the count of the neutron detector at the position of a filter with thickness x_j ; Σ_j is the average macroscopic cross section of deviation from the beam for neutrons with energies in the interval ΔE_j ; n_j is the average sensitivity of the detector in the energy range ΔE_j . This method is used for determining the spectrum of neutrons in a collimated beam from the core surface in a water-water reactor type IRT-1000. The detector was an "all-wave" neutron counter with a sensitivity which is practically constant over a wide energy range. The filters were amorphous boron. Since the deviation cross section for boron shows resonance at high energies, the continuous spectrum for neutrons may be obtained only at energies below 0.4 Mev corresponding to the first resonance level. The filters were placed at the beam exit and the counter was located 4 m from this exit. A 1 mm sheet of cadmium was placed in front of the filters to eliminate thermal neutrons. The transmission curve is used to determine the integral neutron fluxes on the basis of the given equation in energy ranges of 0.4-200 ev, 200- 10^5 ev, 0.1-2 Mev and 2-10 Mev. The resultant spectrum is compared with those obtained by the Laplace transform method and by 18-group calculation of the neutron spectrum at the core boundary. Orig. art. has: 2 figures, 4 formulas.

SUB CODE: 2918 / SUBM DATE: 12Jan66 / ORIG REF: 001 / OTH REF: 003

Card 2/2 *pla*

L 07058-67 EWT(m)/EWP(t)/ETI IJP(c) JD/JG
ACC NR: AP6021632

SOURCE CODE: UR/0089/66/020/003/0273/0275

AUTHOR: Alekseyev, V. I.; Yegorov, O. K.; Konstantinov, L. V.; Postnikov, V. V.

44

41

B

ORG: none

TITLE: Small pulsed fission chambers /9

SOURCE: Atomnaya energiya, v. 20, no. 3, 1966, 273-275

TOPIC TAGS: nuclear reactor technology, fissile material, nuclear fission, neutron detector, reactor neutron flux, NUCLEAR PHYSICS APPARATUS

ABSTRACT: The described fission chambers were used to measure the distributions of neutrons in the active zone of the reactor of the Beloyarsk Nuclear Power Station. I. V. Kurchatov during the physical starting. Two models were constructed. One could be used without a cadmium screen in the fuel element tubes and with a cadmium screen in the central tube of the working channel of the reactor. This chamber was built in a stainless steel housing 5.5 mm diameter (0.25 mm thick) and had a cathode of aluminum and a layer of fissioning material (0.5 mg/cm² of U²³⁵ (90% enriched), Pu²³⁹, and Th²³²). The second variant, unlike the first, could be used to make measurements with cadmium screen in the fuel elements of the working channels of the reactor. This chamber had a stainless steel housing of 2 mm diameter and an anode in the form of a tungsten wire coated with U²³⁵ (90%) of thickness 2 mg/cm². The chambers were filled with commercial argon to 4 atm pressure for the first type and 10 atm for the second. These pressures resulted in maximum pulse amplitude at the chamber output.

Card 1/2

UDC: 621.039.564.2

Card 2/2 LC

L 000/0-0 ENI(1)/ENP(8)/ENP(M)/ENP(V)/ETI IJP(C) JD/WN/JG/JR/GW/JH
ACC NR: AR6034108 (A) SOURCE CODE: UR/0089/66/021/004/0319/0321

AUTHOR: Bulkin, Yu. M.; Zhirnov, A. D.; Konstantinov, L. V.; Nikolayev, V. A.; Stenbok, I. A.; Lobanov, V. S.; Benvolenskiy, A. M.

57
56
B

ORG: none

TITLE: RG-1 reactor for geological research

SOURCE: Atomnaya energiya, v. 21, no. 4, 1966, 319-321

TOPIC TAGS: thermal reactor, research reactor, geologic research facility, tracer study, radioactive source/ RG-1 research reactor

ABSTRACT: The reactor described is of the swimming-pool type rated 5 kw thermal. It is intended for the production of radioactive isotopes with different half-lives, for activation analysis of technological and geological samples, and for estimates of the absorbing abilities of solid and liquid materials and alloys, and also for use in conjunction with a group of laboratories (radiochemical laboratory, laboratory for exact radiometric measurements, and other specialized facilities) for the development of new engineering and technical research methods using radioactive isotopes. The fuel is UO₂ (10% enrichment) and the critical load is 2.6 kg of U²³⁵. The reflector is made of graphite blocks clad in aluminum. The core and reflector are placed in a water-filled aluminum tank (1500 mm dia, 3500 mm high). Boron steel control rods are used. There are altogether seven different channels located in areas with different thermal and fast neutron flux densities (up to 10¹¹ neut/cm²-sec). The maximum pro-

Card 1/2

L 03078-67

ACC NR: AP6034108

ductivity reaches 2600 millicurie when 8 standard ampoules with KMnO_4 are used (maximum 400 mCU in one ampoule). The auxiliary equipment used to handle the radioactive material and to control the reactor are briefly described. Orig. art. has: 2 figures.

SUB CODE: 18, 08/ SUBM DATE: 00 / ATD PRESS: 5102.

nuclear metallurgy

Card 2/2 p/w

ACC NR: AP6034109

(A)

SOURCE CODE: UR/0089/66/021/004/0321/0322

AUTHOR: Bulkin, Yu. M.; Zhirnov, A. D.; Konstantinov, L. V.; Nikolayev, V. A.; Ganev, I. Kh.; Lobanov, V. S.; Poppel', B. S.

ORG: none

TITLE: The SO-1 neutron multiplier

SOURCE: Atomnaya energiya, v. 21, no. 4, 1966, 321-322

TOPIC TAGS: nuclear research reactor, thermal neutron, fast neutron, reactor neutron flux/ SO-1 neutron multiplier

ABSTRACT: The authors describe a neutron multiplier which they have developed to operate with thermal neutrons, having a rated power 0.5 watt, a neutron multiplication coefficient 0.997, maximum fluxes in the center of the active zone 2.5×10^7 and 7×10^7 neut/cm²-sec for thermal and fast neutrons, respectively, and a flux of 10^7 neut/cm²-sec at the locations where the experiments are performed. The fuel is uranium dioxide immersed in polyethylene, containing 900 g of U²³⁵ (36% enrichment) per load. The moderator is polyethylene, and the reflector is graphite combined with polyethylene. The individual units and the control of the multiplier are briefly described. Advantages claimed for the multiplier are ease of control, protection against nuclear accidents, transportability (can be transported with a 10-ton truck), and simple construction. Possible applications of the neutron multiplier are for geological prospecting, activation analysis of isotopes and other materials, and medical applications.

Card 1/2

ACC NR: AF6034109

Similar work on the construction of neutron multipliers by a group headed by N. V. Zvonov and T. A. Lopovok is also reported. Orig. art. has: 1 figure.

SUB CODE: 18,20 SUBM DATE: 00

Card 2/2

ACC NR: AP7000783

(A,N)

SOURCE CODE: UR/0089/66/021/.../0363/0368

AUTHOR: Bulkin, Yu. M.; Zhirnov, A. D.; Zhemchuzhnikov, G. N.; Konstantinov, I. V.; Nikolayev, V. A.; Stenbok, I. A.; Lobanov, V. S.; Filippov, A. G.; Khryastov, N. A.

ORG: none

TITLE: Research and educational reactor IR-100

SOURCE: Atomnaya energiya, v. 21, no. 5, 1966, 363-368

TOPIC TAGS: research reactor, nuclear reactor characteristic/ IR-100 reactor

ABSTRACT: The authors describe the construction, the physical and technical characteristics, and the experimental capabilities of a research reactor with thermal rating of 100 kw, intended for scientific research work and also for training of specialists in the field of atomic energy. This is a water-cooled and water-moderated swimming-pool reactor with all the equipment situated in a central building. It uses enriched UO_2 (10%), with a minimum critical mass of 2.6 kg of U^{235} , and a graphite reflector. The maximum thermal and fast neutron fluxes are 2×10^{12} and 2.2×10^{12} , respectively. The various channels and the possible research that can be carried out with the reactor, as well as the general construction, are described in some detail. Orig. art. has: 2 figures and 2 tables.

SUB CODE: 18/ SUBM DATE: 28Jul66/ ORIG REF: 002/ OTH REF: 003

Card 1/1

UDC: 621.039.520.21

KONSTANTINOV, M.; BALEVSKI, A.; VULEV, A.

Concerning the combined load of bending and torsional strain. p. 91.
(*Izvestiia*, Vol. 4, 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

KONSTANTINOV, M.; KALEV, L.; BALEVSKI, A.
TECHNOLOGY

Periodical: IZVESTIJA. No. 5/6, 1958.

KONSTANTINOV, M.; KALEV, L.; BALEVSKI, A. Concerning the properties of
elasticity of cast iron in stretched and stressed condition. p. 183.

Monthly List of East European Accession (EEAI) LC., Vol. 8, No. 2,
February 1959, Unclass.

KONSTANTINOV, M.; KALEV, L.; BAIEVSKI, A.

Bending of cast-iron girder with rectangular section. p. 97.

IZVESTIIA. Bulgarska akademia na naukite. Tekhnicheski institut. Sofia,
Bulgaria, Vol. 7/8, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, No. 1, January 1960.
Uncl.

KONSTANTINOV, M.M.; POLKVOY, P.A.; STARIKOV, V.S.

Horizontal zoning of complex metal mineralization in the boundaries
of the Jurassic schist belt of North Ossetia. Izv. vys. ucheb. zav.;
geol. i razv. 8 no. 12:48-52 D '65 (MIRA 19:1)

1. Severo-Kavkazskiy gornometallurgicheskiy institut.

KONSTANTINOV, M.; NEDEV, TS.; VRIGAZOV, A.

"A generalization of Assur's method for kinematic analysis of plane mechanisms." In Russian. p. 21

DOKLADY. Sofiia, Bulgaria, Vol. 12, No. 1, January/February, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 2,
February, 1960. Uncl.

KONSTANTINOV, M.S.; PISAREV, A.M.

An algebraic method for the kinematic analysis and synthesis
of toothed planetary gears. Godishnik mat elekt 8:33-40
'60. (publ. '61).

KONSTANTINOV, M.; PISAREV, A.M.

Efficiency of combined mechanical systems. Godishnik mat elekt
8:69-72 '60. (publ. '61).

KONSTANTINOV, M.; PISAREV, A.

Study of a chain oscillating system with the introduction of concentrated mass. Godishnik mash elekt 7 no.1:33-38 '60.
(publ. '61)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, M.S.; TOPENCHAROV, V.V.; GENOVA, P.I.

Reduction of the mechanisms with space motion through the
equivalent point systems. Godishnik mash elekt 7 no.1:81-84
'60. (publ. '61)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, M.S.; PISAREV, A.M.; POPOV, N.B.

Vibration in the Mercedes-Benz truck with the Blumchart trailer.
Godishnik mash elekt 7 no.1:161-177 '60. (publ. '61)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

BRADISTILOV, G.D.; KONSTANTINOV, M.S.; PISAREV, A.M.

Existence of periodic movements of the mathematical pendulum with
elastic thread. Godishnik mash elektr 8 no.1:25-28 '60.(publ. '61)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, M.; IANEV, T.

Some invariants of the plane relative motion. Godishnik mash
elekt 8 no.1:75-82 '60. (publ. '61)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, M.S.; TOPENCHAROV, V.V.; GENOVA, P.I.

Kinematic invariants of space motion of the solids. Godishnik
mash elektr 9:23-25 '61. [publ. '62]

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

KONSTANTINOV, M.S.; GENOVA, P.I.; TOPENCHAROV, V.V.

System of concentrated masses, dynamically equivalent to a solid
body in plane motion. Godishnik mash elekt 9:45-50 '61.
[publ. '62]

KONSTANTINOV, M.S.; GENOVA, P.I.; TOPENCHAROV, V.V.

On the acceleration distribution in the most general motion of a solid in space. Godishnik mash elek 10 ne 1:95-103 '61 (publ. '62).

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, Mikhail, inzh.; PETROV, Dimitur, inzh.; IANEV, Toni, inzh.

A geometric method for kinematic analysis of flat mechanisms. Tekhnika
Bulg 10 no.8:19-20 '61.

(Kinematics)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

BALEWSKY, A. [Balevski, A.]; BALASEV, A. [Balashev, A.]; KONSTANTINOV, M.; KJUCUKOV, J. [Kiuchkov, I.]; NIKOLOV, R.

Removal of mechanical riveting by vibration. Doklady BAN 15 no.8:
853-856 '62.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

KONSTANTINOV, M. S.; CHESHANKOV, B. I.

Kinematic invariants for the analysis of accelerations in
plane mechanisms. Godishnik mash elekt 12 no. 1:89-100 '62.
[publ. '63].

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, M.; TSANEV, Georgi; CHAKUROV, Sava

Method for precise measuring of absolute and relative
rotary motions. Godishnik mash elekt 13 no.3;7-20 '63
[publ. '64].

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

BALEWSKY, A. [Balevski, A.]; BALASEV, A. [Balashev, A.]; KONSTANTINOV, M.;
KJUCUKOV, J. [Kiuchukov, I.]; NIKOLOFF, R. [Nikolov, R.]

Acceleration of aging by vibrations. Doklady BAN 16 no.2:
189-192 '63.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

BALEWSKY, A. [Balevski, A.]; BALASEV, A. [Balashev, A.]; KONSTANTINOV, M.;
KJUCUKOV, J. [Kiuchukov, I.]; NIKOLOV, R.

Control of creep processes by vibration. Doklady BAN 17 no.5:
487-489 '64

KONSTANTINOV, M.

PA 153T109

USSR/Radio - Television

Nov 49

Lenses, Television

"Lenses for Television Sets," M. Konstantinov
1/2 p

"Radio" No 11

Describes magnifying lens for use with T-1 television sets with 7-inch tubes (T-1 Moskvich, T-1 Leningrad, and KVN-49). Lens is made of plexiglas and gives a 12-inch image. Production has started. Includes photograph.

153T109

KONSTANTINOV, M.

PA 195T98

USSR/Radio - Television
Antennas

Sep 51

"Cross-shaped [Omnidirectional] Antenna," M.
Konstantinov

"Radio" No 9, p 37

Describes the phys features of a commercially produced omnidirectional television receiving antenna consisting basically of 2 rods supported by a junction box which also contains a spark gap for lightning protection.

195T98

BALEVSKI, Ang., prof.; BALASHEV, Ang.; BEKIAKOV, Em.; KONSTANTINOV, M.;
KIUCHUKOV, I.

Some empirical formulas reflecting the interdependence of the tension and deformation in testing the value of the stresses exceeding the limit of fluidity. Mashinostroenie 10 no.12:8-12 '61.

1. Chlen na redaktsionna kolegiia, "Mashinostroenie" (for Balevski).

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, M., general-polkovnik

Contribution of efficiency promoters in the army. Voen. vest.
42 no.10:109-111 0 '62. (MIRA 15:10)
(Russia--Army--Equipment)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

MATSYUK, L.S., otv. red.; VARTICHAN, I.K., red.; GEYDEMAN, T.S., red.; DIKUSAR, I.G., red.; ZUBKOV, A.A., red.; IVANCHUK, P.K., red.; KOVARSKIY, A.Ye., red.; KOLESNIKOV, S.M., red.; KONSTANTINOV, M.K., red.; MOKHOV, N.A., red.; SAYANOV, V.S., red.; TABUNSHCHIK, F.Z., red.; CHEBOTAR', A.A., red.

[Transactions of the First Conference of Young Moldavian Scientists] Trudy pervoi nauchnoi konferentsii molodykh uchenykh Moldavii, 1958. Kishinev, Gos. izd-vo "Kartia Moldoveniaske, 1960. 390 p. (MIRA 15:3)

1. Nauchnaya konferentsiya molodykh uchenykh Moldavii, 1st, 1958. 2. Institut biologii Moldavskogo filiala Akademii nauk SSSR (for Kolesnikov, Chebotar'). 3. Institut geologii i po-leznykh iskopayemykh Moldavskogo filiala Akademii nauk SSSR (for Sayanov).

(Moldavia--Science--Congresses)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, M.M.

Principles of the formation of metalliferous hydrothermal solutions.
Analele geol geogr 14 no.4:25-29 O-D '62.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

KONSTANTINOV, M.M.

Short-circuit protection of weak-current windings. Priborostroenie
no.6821 Je '64.
(MIRA 18:3)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, Mikhail Mikhaylovich

DECEASED
c. '60

Ore deposits

14

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

KONSTANTINOV, N.V., Cand Med Sci--(disc) "Bile formation and bile-excretion
in hyperthermy and fever. (Experimental study)." Leningrad, 1959. 24 pp
(Min of Health RSFSR. First Len Med Inst in Acad J.P. Pavlov. Chair of Patho-
logical Physiology), 200 copies (KL-26-58, 116)

-143-

AYVAZIAN, A.I.; KONSTANTINOV, M.V. (Leningrad)

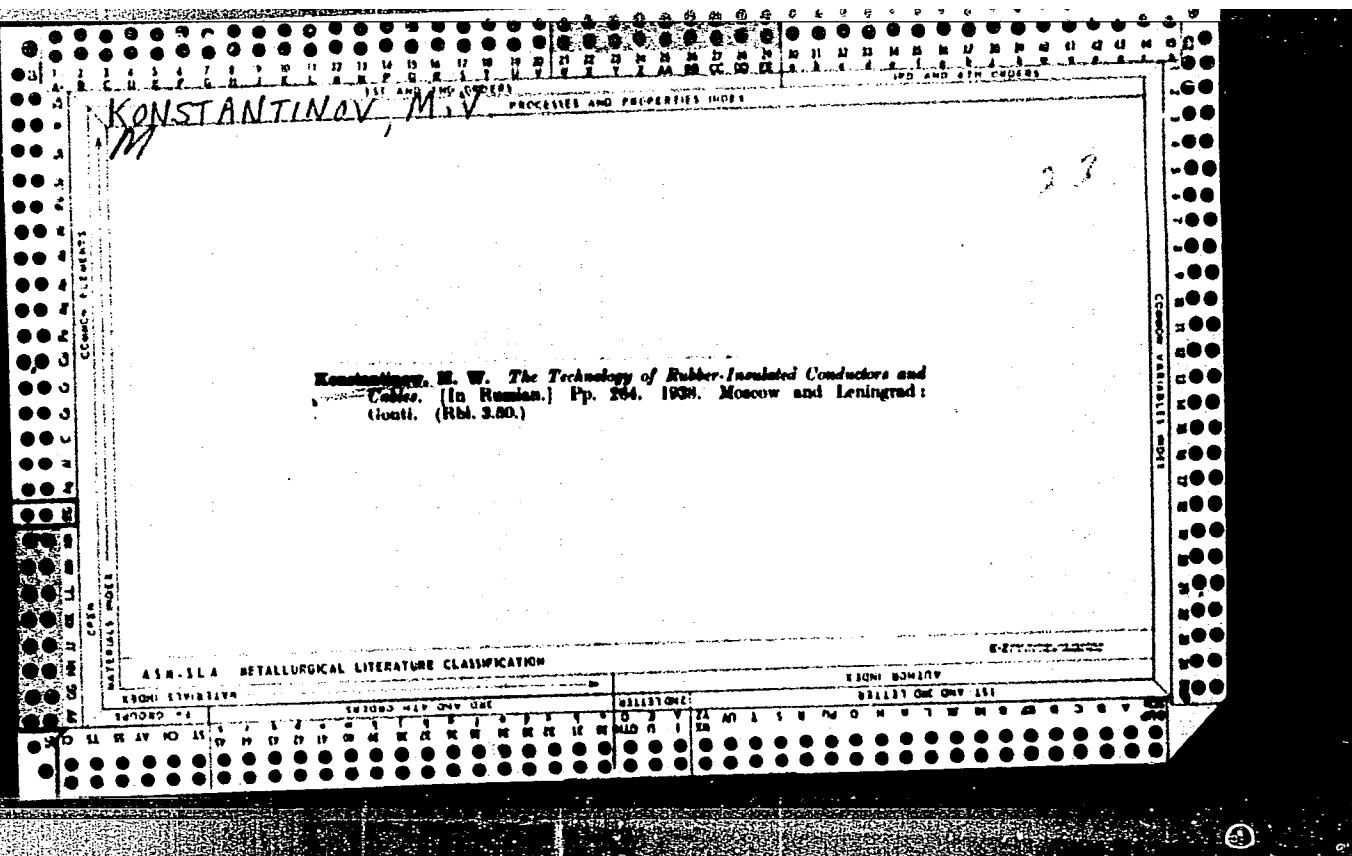
Organization of independent practical activities for students in
the field of pathological physiology. Pat.fiziol.i eksp.terap. 4
no.4:89-80 Jl-^{Ag} '60. (MIRA 14:5)

1. Iz kafedry patologicheskoy fiziologii (zav. - prof. M.M.Pavlov)
I Leningradskogo meditsinskogo instituta imeni akademika I.P.Pavlova.
(PHYSIOLOGY, PATHOLOGICAL STUDY AND TEACHING)

APPROVED

KULAGIN, Viktor Konstantinovich; KONSTANTINOV, M.V., red.

[Role of the adrenal cortex in the pathogenesis of trauma
and shock] Rol' kory nadpochechnikov v patogeneze travmy i
shoka. Leningrad, Meditsina, 1965. 186 p.
(MIRA 18:4)



KONSTANTINOV, M.V.; KOZHEVNIKOV, B.A., redaktor; FRIDKIN, A.M., tekhnicheskiy redaktor

[Manufacturing techniques for the production of cables with rubber insulation] Tekhnologiya proizvodstva kabel'nykh izdelii s resinovoj isolatsiei. Issd. 2-e, sovershenno perer. Moskva, Gos. energeticheskoe izd-vo, 1951. 384 p.
(Electric cables) (Electric insulators and insulation)

1. KONSTANTINOV, M. V., GORSHKOV, F. N. Eng.
2. USSR (600)
4. Electric Cables
7. "Technology of production of cables with rubber insulation." Reviewed by Eng. P. N. Gorshkov. Elektrichestvo №. 3, 1953.

Konstantinov's book (Tekhnologiya proizvodstva kabel'nykh izdeliy s rezinovoy isolatsiyey, 2nd ed., completely revised, 384 pp, Gosenergoizdat, 1951), authorized by Admin. of Educ. Institutions, Min. of Elec Industry USSR, as Text for tech. schools of elec industry, is used as basic text for study of rubber-insulated cables and conductors and the technology of their production, despite the fact that there are a number of deficiencies in the book. Includes section on design of PTR-brand manufd river cables.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

BELORUSSOV, Nikolay Ivanovich, inzh.; GLUPUSHKIN, Petr Mikhaylovich,
kand. tekhn. nauk; KONSTANTINOV, Marsaliy Valer'yanovich,
inzh.; PESHKOV, Iziaslav Borisovich, kand. tekhn. nauk;
PRIVEZENTSEV, Vladimir Alekseyevich, doktor tekhn. nauk;
TROITSKIY, Igor' Dmitriyevich, kand. tekhn. nauk;
FEDOSEYEVA, Yelena Georgiyevna, kand. tekhn. nauk; FRIDMAM,
Aron Solomonovich, inzh.; RYZHIKHINA, Ye.G., red.

[Cables and wires] Kabeli i provoda. Moskva, Energiia.
Vol.3. 1964. 469 p. (MIRA 17:12)

KONSTANTINOV, N.

On keratoconjunctivitis sicca — Sjögren-Gougarot's syndrome.
Khirurgiia, Sofia 14 no.1:75-79 '61.

1. Institut za spetsializatsiya i usuvurshenstvuvane na lekarite,
Sofia, Katedra po ochni bolesti. Zav. katedrata: prof. Iv. Vasilev.

(KERATOCONJUNCTIVITIS case reports)

KONSTANTINOV, N.

KONSTANTINOV, N. Special device on the jolt machine for making the inside canals of coupling heads, bolts with hexagonal and square heads, nuts, cogged wheels of hand-threshing machines for hemp and others. p. 86. Vol. 8, no. 6, 1956. TRANSPORTNO DELO. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4-- April 1957

KONSTANTINOV, N.

Vishnevskii's procaine block in the treatment of eye diseases.
Nauch.tr.ISUL, Sofia 2 no.3:167-175 1953.

1. Ochna klinika. Direktor: dots. Sv.Boikikev.

(EYE, diseases,
ther., procaine nerve block)

(PROCAINE, therapeutic use,
eye dis., nerve block)

(ANESTHESIA, REGIONAL, in various diseases,
procaine block in eye dis.)

KONSTANTINOV, N.; SAKHATCHIEVA, L.; SAKHATCHIEV, A.

Considerations on toxoplasmosis with report of a case. Khirurgia.
Sofia 8 no.7:660-666 1955.

1. Institut za spetsializatsiya i usuvurshenstvuvane na lekarite,
Sofia ochna klinika. Zav. katedrata: dots. Iv.Vasilev. Detska
psicho-nevrologichna bolnitsa. Gl.lekar: A.Khubavenkova. Nauchno-
issledovatelski onkologichen institut. Direktor: prof. Ves.Mikhailov.
(TOXOPIASMOSIS)

KONSTANTINOV, N.

Case of chorioretinitis in presence of toxoplasmosis. Khirurgia,
Sofia 11 no. 4:370-372 1958.

1. (Iz Ochnata klinika pri NSUL)
(CHOROIDITES, etiology and pathogenesis,
choriorotinitis in toxoplasmosis (Bul))
(RETINITIS, etiol. & pathogen.
same)
(TOXPLASMOSIS, compl.
chorioretinitis (Bul))

KAMENSHCHIKOV, V., inzh.; KONSTANTINOV, N., inzh.

Wrench for unscrewing wheel nuts. Avt.transp. 40 no.2:50 k
(MIRA 15:2)
'62. (Wrenches)

KAMENSHCHIKOV, V., inzh.; KONSTANTINOV, N., inzh.

Wrenches for unscrewing broken nuts. Avt.transp. 40 no.5:53
My '62. (MIRA 15:5)
(Wrenches)

VASILEV, Iv., prof.; KONSTANTINOV, N.; DUBOV, St.

Clinical aspects of uveal inflammations. Khirurgiia 16 no.1:
93-103 '63.

1. Iz Katedrata po ochni bolesti pri ISUL [Institut za spetsializacija i usuvurshenstvuvane na lekarite].
(UVEITIS) (IRIDOCYCLITIS) (CHORIORETINITIS)
(TUBERCULOSIS OCULAR) (TOXOPLASMOSIS OCULAR)
(SYPHILIS) (BRUCELLOSIS) (REITER'S DISEASE)
(SARCOIDOSIS) (ONCHOCERCIASIS)

KRUPSKAYA, Nadezhda Konstantinovna; GONCHAROV, N.K., red.; KAIROV, I.A.,
red.; KONSTANTINOV, N.A., red. [deceased]; KULIKOV, P.I., red.;
LAUT, V.G., tekhn.red.

[Pedagogical works in ten volumes] Pedagogicheskie sochineniya v
desiatyi tomakh. Pod red. N.K.Goncharova, I.A.Kairova i N.A.
Konstantinova. Moskva, Izd-vo Akad.pedagog.nauk. Vol.4. [Training
for work and technical education] Trudovoe vospitanie i politekhniki-
cheskoe obrazovanie. 1959. 629 p. (MIRA 12:5)
(Vocational education) (Technical education)

KOROL'KOVA, Vera Ivanovna, kandidat tekhnicheskikh nauk; PAZHITNOV, D.P.,
inzhener, retsenzent; SAVEL'YEV, V.M., inzhener, retsenzent;
KONSTANTINOV, N.A., redaktor; TUBIANSKAYA, F.G., izdatel'skiy
redaktor; GLADEKIKH, N.N., tekhnicheskiy redaktor

[Safety measures in industrial enterprises] Elektro-bezopasnost'
na promyshlennykh predpriatiakh. Izd. 3-e, dop. Moskva, Gos.
izd-vo obor. promyshl., 1956. 447 p. (MLRA 9:10)
(Industrial safety)
(Electric engineering--Safety measures)

DOLUKHANOV, Mark Pavlovich; KONSTANTINOV, N.A., red.

[Propagation of radio waves] Razprostranenie radiovoln.
Izd.3. Moskva Sviaz', 1965. 399 p. (MIRA 18:7)

MERENKOV, B. Ya.; KONSTANTINOV, N. F.

Geology and genesis of the Krasnaya-Polyana talcite deposit (Southern Urals). Izv. vys. ucheb. zav.; geol. i razv. 3 no.8:49-55 Ag '60.
(MIRA 13:10)

1. Moskovskiy geologorazvedochnyy institut im. S.Ordzhonikidze.
(Ural Mountains--Talc)

KONSTANTINOV, N. F.

Dissertation defended at the Institute of the Geology of Ore Deposits,
Petrography, Mineralogy, and Geochemistry for the academic degree of
Candidate of Geologo-Mineralogical Sciences:

"Aposinite Talcite Deposits in the Eastern Slope of the South Urals."

Vestnik Akad Nauk, No. 4, 1963, pp. 119-145

KONSTANTINOV, N.F.

Genesis and some characteristics of the distribution of
talcite deposits in serpentinites as revealed by the deposits
in the Southern Urals. Zakonom. razm. polezn. iskop. 6:616—
627 '62. (MIRA 16:6)

1. Vsesoyuznyy institut mineral'nogo syr'ya.
(Ural Mountains—Talc)

KONSTANTINOV, N.I.; YANOV, V.P.; CHERNYAVSKIY, S.N.

Cooperation among socialist countries in the field of electric locomotive construction. Zhel.dor.transp. 44 no.11:83-86
N '62. (MIRA 15:11)

1. Zamestitel' nachal'nika otdela tyazhelogo mashinostroyeniya Gosplana SSSR (for Konstantinov). 2. Glavnyy inzh. Novocherkasskogo nauchno-issledovatel'skogo instituta elektrovozostroyeniya (for Yanov). 3. Rukovoditel' gruppy Novocherkasskogo nauchno-issledovatel'skogo instituta elektrovozostroyeniya (for Chernyavskiy).
(Communist countries--Electric locomotives--Design and construction)

POLTAVETS, Ivan Mikhaylovich; SINITSYNA, Faina Fedorovna; FILIPPOV,
Mark Petrovich; KOLYADA, Mikhail Panteleymonovich;
KONSTANTINOV, N.I., red.; ZAPOL'SKAYA, L.A., tekhn. r^{ed}.

[Acute radiation lesions and their treatment] Ostrye ra-
diatsionnye porazheniya i ikh lechenie. Kiev, Gosmedizdat
USSR, 1962. 154 p. (MIRA 16:7)
(RADIATION SICKNESS)

Konstantinov, N.I.

124-1957-10-11845

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 94 (USSR)

AUTHORS: Konstantinov, N. I., Dragnysh, G. L.

TITLE: To the Problem of the Measurement of Surface Friction Stress
(K voprosu ob izmereniyu treniya na poverkhnosti)

PERIODICAL: Tr. Leningr. politekhn. in-ta, 1955, Nr 176, pp 191-200

ABSTRACT: This article is devoted to an investigation of air-flow methods for the measurement of the magnitude of surface friction stress. On the basis of Dean's theoretical solution for the slow motion of a viscous liquid past a plate projected into a stream normally to the surface exposed to the flow, the Authors have developed a new air-flow method for the measurement of the frictional stress. The measuring device, tentatively named the "Spoiler Angle" ("Ugolok") is based on the measurement of the pressure drop at points located upstream and downstream of an obstacle. A theoretical relationship is established between the pressure drop Δp and the local friction stress τ along the surface. The experiments were performed in a wind tunnel with a flow speed from 10 to 30 m/sec. A comparison between the proposed method of measuring the frictional stress and the existing method of measuring

Card 1/2

124-1957-10-11845

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824410011
To the Problem of the Measurement of Surface (cont.)

it by means of a surface tube is presented. As a result of this comparison it was found that: 1) The "Spoiler Angle" has a constant calibration coefficient $k = \Delta p / \tau$ within the entire range of flow speeds investigated; 2) there is a growing dependence, not predicted theoretically, of k on the projection height d of the plate; 3) it is found by extrapolation and direct measurement that, for $d = 0$, $k = 2.6$ agrees well with the computed value of 2.90; 4) for the surface tubes the calibration coefficient k depends largely on the height d of the tubular intake opening; 5) for all values of d , the value of k is strongly dependent on the magnitude of the frictional stress τ ; 6) the magnitude of k is constant only for small values of τ and for d extrapolated to zero. The value of k so obtained is 2.2, whereas the theoretical value is 1.67. The distinct difference in the behavior of the calibration coefficients of the surface tube and the "Spoiler Angle" is explained by the fact that the greater flow-perturbations introduced by the surface tube, since the greatest height of the "Spoiler Angle" is 0.04 mm, whereas the minimum height of the surface tube is 0.06 mm.

Card 2/2

V. N. Kalashnik

10(3.4)

PHASE I BOOK EXPLOITATION - SW/3193

Leningrad. Politekhnicheskiy Institut imeni M.I. Kalitina

Study, no. 1981. Tekhnicheskaya hidromekhanika (Industrial Hydro-mechanics). Moscow, Meshchis, 1958. 220 p. Errata slip inserted.
1,500 copies printed.

Resp. Ed.: V.S. Saimov. Doctor of Technical Sciences, Professor;
Ed. of this book: L.G. Lortynskiy, Doctor of Technical and
Mathematical Sciences, Professor; Manager, Ed. for Education
and the Design and Operation of Machinery (Leningrad Division,
Russia); P.I. Petkov, Engineer; Tech. Ed.: A.G. Pol'skaya.

PURPOSE: This book is intended for engineers working in the field
of machine construction.

CONTENTS: This collection of articles contains the results of
original work in the field of theoretical and applied hydro-aero-
mechanics, completed in the aerodynamics laboratory of the LPI
(Leningrad Polytechnic Institute) by members of the department
of hydro-aerodynamics and the department of theoretical mechanics.
The book is subdivided into four parts. The first part contains
articles on the dynamics of turbine steam-turbines. The second
part contains articles on a laboratory study on model-experiments on a test-
stand and the general conclusion drawn therefrom. The second
part contains articles on the theory of laminar and turbulent
flow of a viscous fluid. The articles treat the hydrodynamic
theory of friction in bearings and suspensions, boundary layers
and jets, the initial part of a pipe in the presence of vortices,
and the motion of air under the action of a corona conductor.
The articles in the third part belong to the field of applied
aerodynamics. One of the articles is a theoretical and experi-
mental study of flow around the parts of a radar antenna. The
second article contains the results of aerodynamical analyses of
flight-set models. The fourth part of the book contains the results
of laboratory experiments on establishing new methods of aero-
dynamical measurements (friction forces on the surface of a
streamlined body, pressure distributions in nonstationary flows).
References accompany individual articles.

Konstantinov, M.I. Experimental Study of a Turbulent Boundary
Layer at a Separating Pressure Drop 107

1. Aim of the experimental study 107

2. A description of the experimental equipment and the
method of experiment 107

3. Results of the experiment and their analysis 109

4. Computing a turbulent boundary layer 113

5. Properties of the normal form-parameter
an analysis of the similarity hypothesis, "law of
resistance" in a form analogous to the law of
Locking and Tillman 119

Bogolyubov, N.N. Flow Caused by Turbulent Jets Outside of
the Turbulent Region 124

1. Secondary flows caused by turbulent jets 124

2. Inflow to an axial-symmetric turbulent jet discharging
a fixed liquid. Subsiduary impulse flow 124

3. The motion of a liquid of turbulent jets outside of
parallel-Plane turbulent jets 128

4. Secondary flows caused by a turbulent axial-symmetric
jet flowing out to a homogeneous rectilinear flow of
the very same liquid 131

5. Experimental study of the inflow of a liquid to
turbulent jets 135

6. On the rational form of a longitudinal contour of an
ejector mixing chamber 139

SOV/133-59-1-20/23

AUTHORS: Yermolenko, A.P., Candidate of Technical Sciences
and Konstantinov, N.I., Engineer

TITLE: The Use of Steel 38KhRA for the Manufacture of Large
Parts (Primeneniye stali 38KhRA dlya izgotovleniya
krupnogabarynykh detaley)

PERIODICAL Stal', 1959, Nr 1, pp 85 - 87 (USSR)

ABSTRACT: Structural steel 38KhA possesses a low hardenability due
to which parts of a cross-sectional area above 150 mm,
manufactured from this steel, have lower and unstable
mechanical properties. As an increase in hardenability
can be obtained by alloying with boron, an investigation
was carried out as to the applicability of boron steel
38KhRA (GOST 4543-57) for manufacturing machine parts of
a cross-sectional area up to 200 mm. The experimental
38KhA steel was produced in a 10-ton basic electric
furnace, tapped into 2 ladles to one of which boron was
added. Final deoxidation was done in the ladle according
to two modifications: 1) aluminium (0.5 kg/t) was
placed into the ladle before tapping, then when the ladle
was 1/3 full, ferrotitanium (0.013%) and a 20% ferroboron
was added (0.0035%); the metal retained in the ladle for
8 minutes and then teemed into ingots; 2) as above,

Card1/3

SOV/133-59-1-20/23

The Use of Steel 38KhRA for the Manufacture of Large Parts

but without the addition of ferrotitanium. Chemical compositions of the steels obtained, their hardenability (Figure 1) and mechanical properties (Table 1) are given. It was found that with the exception of hardenability mechanical properties of boron steels, deoxidised with and without titanium, did not differ so that in subsequent heats only deoxidation with aluminium was used. Further heats were done in a 35-ton basic open-hearth furnace. Deoxidation was effected by placing 300 kg of 4% ferrosilicon on the bottom of the ladle and when it was 1/3 full aluminium was added (0.5 kg/t) followed by ferroboron (0.0035%). Steel was retained in the ladle for 8 minutes and then teemed into 1.5-ton ingots. Ingots were rolled into billets for shafts for turbo-boring machines. The comparison of hardenability of the steel without and alloyed with boron is shown in Figure 2 and mechanical properties before and after hardening in Tables 2 and 3, respectively. On the basis of the results obtained, steel 38KhRA is recommended for the manufacture of shafts of turbo-boring machines as well as a replacement

Card2/3

SOV/133-59-1-20/23

The Use of Steel 38KhRA for the Manufacture of Large Parts

for steels 38KhA and 40Kh for manufacturing parts of a cross-sectional area of up to 200 mm, when due to the low hardenability of these steels their impact strength is below that required.

There are 2 figures and 3 tables.

Card 3/3

KONSTANTINOV, N.I., Cand Phys-Math Sci — (diss) "Experimental
study of ^{the} turbulent boundary layer in ^{an} positive longitudinal drop in
pressure." Len, 1959. 12 pp (Min of Higher Education USSR. Len Po-
lytech Inst im M.I. Kalinin). 150 copies (KL,37-59, 106)

7

S/124/61/000/011/017/046
D237/D305

AUTHOR: Konstantinov, N.I.

TITLE: Experimental investigation of a turbulent boundary layer with a positive pressure gradient

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 11, 1961, 81,
abstract 11B550 (Tr. Leningr. politekhn. in-ta, 1958
no. 198, 107 - 123)

TEXT: The experiments performed by the author are described. Flows with positive pressure gradients around the plate were formed by a suitable setting of the walls in the apparatus. Velocity profiles and friction on the surface of the plate were measured. From that, characteristics were calculated, entering into the equation used to calculate the boundary layer by the method of L.G. Loytsyanskiy. By analyzing the resulting distribution of those characteristics along the plate the author reduces them to general curves, by parameter normalization at the critical point. 5 references. [Abstractor's note: Complete translation].

Card 1/1

SHINKARENKO, V.R., red.; KONSTANTINOV, N.I., red.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824410011
[Medical service in civil defence] Meditsinskaja sluzhba
grazhdanskoi oborony. Kiev, Zdorov'ia, 1964. 181 p.
(MIRA 17:12)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

~~NON-CLASSIFIED~~

PUSHKIN, P.S.; KONSTANTINOV, N.K.

Growth of the U.S.S.R. shoe industry. Leg.prom. 17 no.11:29-36
N '57. (MIRA 10:12)
(Shoe industry)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

KA KONSTANTINOV N. M.

13

The carbon dioxide regime in the air in contact with the surface of the soil and the yield of sugar beets. N. M. Konstantinov. Izv. Akad. Nauk SSSR. No. 8, 1941 (1942). An application of CO₂ to sugar beets when the tops in the rows began to join, followed by irrigation gave substantial yield increases and an increase in sugar content. The gas was injected into the irrigation water lines. No data are given on the amounts of CO₂ used. Simultaneously the CO₂ content was also increased by the use of a mulch. Without it, the CO₂ content in the daytime would be very low. The plots with the mulch had as much as 1.110 mg CO₂ l. of air on Sept. 14, 1.077 on Sept. 21, and 0.927 on Oct. 2. For the corresponding dates, the plots without mulch had 0.48, 0.36, and 0.47 mg. CO₂ l. of air. The mulching materials used were: sawdust; peat; and manure. The highest increase in yield and sugar content was obtained by the simultaneous application of CO₂ with irrigation water. J. S. Joffe

KONSTANTINOV, N. M.

Agriculture

Effect of carbon dioxide on growth and development of plants (as exemplified in sugar beet culture); Moskva, Gos. izd-vo sel'khoz lit-ry, 1950.

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED.

KONSTANTINOV, N. M.

APPROVED FOR RELEASE: 06/19/2000

USSR/Soil Cultivation. Mineral Fertilizers.

CIA-RDP86-00513R000824410011

Abs Jour: Ref. Znur-Biologiya, No 1, 1958, 1246.

Author : Konstantinov, N.M.

Inst : Moscow Agricultural Academy imeni K.A. Timiryazev

Title : The Influence of Liming on Crop Yields.

Orig Pub: Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1956, No 23,

228-233.

Abstract: On the Field-Husbandry Testing Station of the Timiryazev Agricultural Academy, with moderately podzolic dusty argillaceous soil, during a long experiment with unrotated sowings of annual crops and clover and after six rotations (36 years) of a six-field rotation system, lime was added in a dose corresponding to full hydrolytic soil acidity. Over a 1950-1954 average, unrotated sowings of winter rye on the unfertilized plots indicated no reaction to the liming while oats and potatoes showed slight increases in yield. On a fertilized base liming increased

Card : 1/2

-15-

Card : 2/2

-16-

RABINOVICH, V.L. (Petropavlovsk-Kazakhstanskiy); KONSTANTINOV, N.N. (Moskva);
VARPAKHOVSKIY, F.L. (Moskva); BESKINA, L.N. (Moskva); BEREZIN, F.A.
(Moskva); GUTNIK, L.A. (Moskva)

Solutions of problems. Mat. pros. no.6:337-353 '61. (MIRA 15:3)
(Mathematics--Problems, Exercises, etc.)

KONSTANTINOV, N. N.

"Light Intensity as a Factor in the Development of Various Forms of Cotton," Dok. AN, 27, No 6, 1940.

All-Union Cotton Inst. Tashkent

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KORSTANTINOV, N. N.

"On the INfluence of the Stock Upon the Scion in Cotton," Dok. AN,
46, № 4, 1945

All-Union Cotton Inst. Tashkent.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, N. N.

"Daylength as a Factor Decisive for the Possibility of the Existence of a Species," Dok. AN, 47, No 9, 1945.

All-Union Cotton Inst., Tashkent

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

38038. KONSTANTINOV, N. N.

Ekspozitsiya Kulturnykh rasteniy [Glav. bota. sada] Byulleten' Glav. Botan. sada, vyp. 4, 1949, s. 8-12.

KONSTANTINOV, N. N.

Botanical Gardens

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-

On results of the work of the Main Botanical Garden of the Academy of Sciences of the U.S.S.R. for the year 1950. Biul. Glav. bot. sada, No. 10, 1951.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

KONSTANTINOV, N.N.; KANTOR, T.S.

Setting up an exhibition of technical plants at the Main Botanical Garden.
Biul.Glav.bot.sada no.14:46-50 '52. (MLRA 6:5)

1. Glavnyy botanicheskiy sad Akademii Nauk SSSR.
(Plants, Cultivated--Exhibitions)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, N.N.; KARNEYEV, I.Ye.

Results of growing black pepper. Biul.Glav.bot.sada no.16:26-32 '53.
(MLRA 7:4)

1. Glavnnyy botanicheskiy sad Akademii nauk SSSR. (Pepper)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

TSITSYN, N.V., akademik; KONSTANTINOV, N.N.

Certain characteristics of the biology of the black pepper (*Piper nigrum L.*).
(MLRA 6:7)
Dokl.AN SSSR 91 no.3:667-670 J1 '53.

1. Glavnnyy botanicheskiy sad Akademii nauk SSSR (for Konstantinov). 2. Aka-
demiya nauk SSSR (for Tsitsyn). (Pepper)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, N.N.

Nature of everbearing strawberries. Biul.Glav.bot.sada no.25:24-
29 '56. (MIRA 10:1)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR.
(Strawberries)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

KONSTANTINOV, N. N. Doc Biol Sci -- (diss) "Ontogenesis and phylogenesis
of cotton [redacted] in the light of morphological and physiological data."
Mos, 1958. 30 pp. (Acad Sci USSR. Inst of Physiology of Plants im K. A.
Timiryazev. Main Botanical Garden), 130 copies. Bibliography at end of text
(12 titles) (KL, 14-58, 111)

KONSTANTINOV, N.N.

Indentation of the cotton leave as related to the growing
conditions. Uzb.biol.shur. no.3:5-11 '58. (MIRA 11:12)

1. Glavnnyy botanicheskiy sad AN SSSR.
(Cotton growing) (Leaves)

KONSTANTINOV, N.N.

Biological significance of the hairs and coat of cottonseed.
Uzb. biol. zhur. no. 4:48-57 '60. (MIRA 13:10)

1. Glavnny botanicheskiy sad AN SSSR.
(COTTONSEED)

KONSTANTINOV, N.N.

Effect of the day length on the beginning of flowering in bugbane
(Cimicifuga) species. Biul.Glav.bot.sada no.37:61-67 '60.

1. Glavnnyy botanicheskiy sad Akademii nauk SSSR.
(Bugbane) (Photoperiodism) (Plants, Flowering of)
 (MIRA 13:11)

KONSTANTINOV, N.N.

*E*ffect of gibberellin on the development of inflorescences in
Cimicifuga species. Bot. zhur. 45 no.9:1311-1315 S '60.(MIRA 13:9)

1. Glavnnyy botanicheskiy sad Akademii nauk SSSR, Moskva.
(Gibberellins) (Inflorescence) (Bugbane)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, N.N.; VOLKOVA, T.I.

Inhibited germination and biological significance of seed hairs
and coat in the genus Gossypium. Trudy Glav.bot. sada 7:127-151
1961.

(MIRA 14:3)

(Cottonseed) (Germination)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

KONSTANTINOV, N.N.

Effect of photoperiod on the branching, budding, and flowering of
cotton. Bot. zhur. 46 no. 5:628-633 My '61. (MIRA 14:7)

1. Glavnnyy botanicheskiy sad AN SSSR, Moskva.
(Cotton) (Plants, Effect of light on)

KONSTANTINOV, N.N.; BODROVA, N.A.

Some characteristics of the biology of black pepper (*Piper nigrum L.*)
and methods of its propagation. Biul. Glav. bot. sada no. 16:69-73
'62.
(MIRA 16:2)

1. Glavnnyy botanicheskiy sad AN SSSR.
(Peppers)

KONSTANTINOV, N.N., doktor biolog.nauk; ALEKSANDROV, A.S., kand.sel'skokhoz.
nauk

Cotton. Priroda 52 no.4:19-28 '63.

(MIRA 16:4)

1. Glavnnyy botanicheskiy sad AN SSSR, Moskva (for Konstantinov).
2. Ministerstvo sel'skogo khozyaystva SSSR (for Aleksandrov).
(Cotton)

KONSTANTINOV, N.N.; ZHEBRAK, E.A.

Photoperiodism in diploid and tetraploid coriander. Dokl. AN
SSSR 150 no.5:1149-1152 Je '63. (MIRA 16:8)

1. Glavnnyy botanicheskiy sad AN SSSR. Predstavлено академиком
A.L.Kursanovym.
(CORIANDER) (PHOTOPERIODISM) (POLYPLOIDY)

SOKOLOVA, T.N.; SAKOVA, T.V.; KONSTANTINOV, N.N., doktor biol.
nauk, red. [deceased]

[Photoperiodism of plants; bibliography of the literature
for 1940-1963] Fotoperiodizm rastenii; bibliograficheskii
ukazatel' literatury 1940-1963 gg. Moskva, Nauka, 1965.
364 p. (MIRA 18:10)

1. Moscow. Glavnnyy botanicheskiy sad. Nauchnaya biblioteka.

KONSTANTINOV, N.N. [deceased]

Role of photoperiodism in plant evolution. Trudy MOIP Otd.
biol. 13:52-62 '65
(MIRA 19:1)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

TANATAR, I.Ya. (Moscow); SKOPETS, Z.A. (Yaroslavl'); ARNOLD, V.I.
(Moscow); DYNKIN, Ye.B. (Moscow); LORDKIPANIDZE, B.G.(L'vov);
KONSTANTINOV, N.N. (Moscow); BEREZIN, F.A.(Moscow)

Problems of elementary mathematics. Mat. pros. no.2:267-270 '57.
(MIRA 11:7)

(Mathematics--Problems, exercises, etc.)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, N.N. (Moskva)

Non-self-intersecting curves on a surface. Mat. sbor. 54 no.3:
253-294 Jl '65 (MIRA 14:8)
(Curves on surfaces) (Aggregates)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, N.N.

Pavel Aleksandrovich Baranov, 1892-1962. Biul.Glav.bot.sada
(MIRA 17:5)
no. 48:108-111 '63.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, N. N. and TIKHOV, A. F.

"Verifying a Method for Determining the Specific Gravity of Viscous Dark Petroleum Products", p 171, in the Monograph "Investigation and Use of Petroleum Products", edited by N. G. Fuchkov, Gostoptekhizdat, Moscow-Leningrad, 1950.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"

KONSTANTINOV, N. N. and POKROVSKIY, V. M.

"A Study of Light Product Losses by Evaporation from Storage Tanks", p 233,
in the Monograph "Investigation and Use of Petroleum Products", edited by
N. G. Puchkov, Gostoptekhizdat, Moscow-Leningrad, 1950.

KONSTANTINOV, N. N.

"Two Phase Hydraulic Flow and Its use in the Calculation of Air Lifts,
Hydraulic Shut-off Devices and Circulation in Vertical Water Pipes of Steam
Boilers", p 260, in the Monograph "Investigation and Use of Petroleum Products",
edited by N. G. Fuchkov, Gostoptekhizdat, Moscow-Leningrad, 1950.

KONSTANTINOV, N. N. (Engineer)

"Certain Problems of the Dependability of Natural Circulation in Water-Tube Steam Boilers." Thesis for degree of Cand. Technical Sci. Sub 12 May 50, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov.

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernaya Moskva, Jan-Dec 1950.

KONSTANTINOV, N. N.

CHERNIKIN, Vadim Ivanovich, professor, doktor tekhnicheskikh nauk;
KONSTANTINOV, N.N., redaktor; L'VOV, L.A., redaktor; POLOSINA,
A.S., tekhnicheskiy redaktor.

[Construction and operation of oil dumps] Soorushenie i ekspluataciia neftebaz. Izd. 2-e, perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry, 1955. 522 p.
(MLRA 8:12)

1. Moskovskiy neftyanoy institut (for Chernikin)
(Petroleum--Storage)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0

KONSTANTINOV, N. N.

Technical and Organizational Functions in Eliminating Loss of Petroleum
by Products During Their Movement and Storage page 92 of the book
Petroleum Bases and Pipe Lines, Gostoptekhizdat, 1956.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410011-0"